



Sheet 1 of 7

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO. 3220-
3220-94790

Serial No. 10/664,658

INFORMATION DISCLOSURE STATEMENT

APPLICANT GELVIN, Stanton B.

FILING DATE 09/18/03

GROUP 1638

U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA						
	AB						
	AC						

FOREIGN PATENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AI						

INTERNATIONAL SEARCH REPORT

	AM						
	AN						
	AO						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

LZ	AP	BALLAS, N. and CITOVSKY, V. (1997) "Nuclear Localization Signal Binding Protein from <i>Arabidopsis</i> Mediates Nuclear Import of <i>Agrobacterium</i> VirD2 Protein." <i>Proc Natl Acad Sci USA</i> 94: 10723-10728.
	AQ	BRITT, A.B. (1996) "DNA Damage and Repair in Plants." <i>Annu Rev Plant Physiol Plant Mol Biol</i> 47: 75-100.
	AR	DENG, W., et al. (1998) " <i>Agrobacterium</i> VirD2 Protein Interacts with Plant Host Cyclophilins." <i>Proc Natl Acad Sci USA</i> 95: 7040-7045.
	AS	DITTA, G., et al. (1980) "Broad host Range DNA Cloning System for Gram-Negative Bacteria: Construction of a Gene Bank of <i>Rhizobium Meliloti</i> ." <i>Proc Natl Acad Sci USA</i> 77(12): 7347-7351.
	AT	GHEYSEN, G., et al. (1991) "Illegitimate Recombination in Plants: A Model for T-DNA Integration." <i>Genes & Development</i> 5: 287-297.
	AU	JEFFERSON, R.A., et al. (1987) "GUS Fusions: β -Glucuronidase as a Sensitive and Versatile Gene Fusion Marker in Higher Plants." <i>EMBO J</i> 6(13): 3901-3907.
	AV	KONCZ, C. and SCHELL, J. (1986) "The Promoter of T ₁ -DNA Gene 5 Controls the Tissue-Specific Expression of Chimeric Genes Carried by a Novel Type of <i>Agrobacterium</i> Binary Vector." <i>Mol Gen Genet</i> 204: 383-396.
	AW	LICHTENSTEIN, G., and DRAPER, J. (1986) "Genetic of Engineering Plants." In Glover, D.M. (ed.) <i>DNA Cloning: A Practical Approach</i> 2: 67-119 (IRL Press, Oxford)
	AX	MATSUMOTO, S., et al. (1990) "Integration of <i>Agrobacterium</i> T-DNA into a Tobacco Chromosome: Possible Involvement of DNA Homology between T-DNA and Plant DNA." <i>Mol Gen Genet</i> 224: 309-316.
	AY	MYSORE, K.S., et al. (1998) "Role of the <i>Agrobacterium Tumefaciens</i> VirD2 Protein in T-DNA Transfer and Integration." <i>American Phytopathological Society</i> 11(7): 668-683.
	AZ	NAM, J., et al. (1997) "Differences in Susceptibility of <i>Arabidopsis</i> Ecotypes to Crown Gall Disease May Result from a Deficiency in T-DNA Integration." <i>Plant Cell</i> 9: 317-333.
	BA	NAM, J., et al. (1999) "Identification of T-DNA Tagged <i>Arabidopsis</i> Mutants that are Resistant to Transformation by <i>Agrobacterium</i> ." <i>Mol Gen Genet</i> 261: 429-438.
	BB	NARASIMHULU, S.B., et al. (1996) "Early Transcription of <i>Agrobacterium</i> T-DNA Genes in Tobacco and Maize." <i>Plant Cell</i> 8: 873-886.
	BC	NJ, M., et al. (1995) "Strength and Tissue Specificity of Chimeric Promoters Derived from the Octopine and Mannopine Synthase Genes." <i>Plant J</i> 7(4): 661-676.

LZ	BD	OFFRINGA, R., <i>et al.</i> (1990) "Extrachromosomal Homologous Recombination and Gene Targeting in Plant Cells after <i>Agrobacterium</i> Mediated Transformation." <i>EMBO J</i> 9(10): 3077-3084.
↓	BE	OHBA, T., <i>et al.</i> (1995) "DNA Rearrangement Associated with the Integration of T-DNA in Tobacco: An Example for Multiple Duplications of DNA Around the Integration Target." <i>Plant J</i> 7(1): 157-164.
	BF	PASZKOWSKI, J., <i>et al.</i> (1988) "Gene Targeting in Plants." <i>EMBO J</i> 7(13): 4021-4026.
	BG	SAMBROOK, M.A., <i>et al.</i> (1982) in <i>Molecular Cloning: A Laboratory Manual</i> . 1 st ed. Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York, pgs. 150-172; 312-328, 365-381 and 383-389.
	BH	SHENG, J. and CITOVSKEY, V. (1996) "Agrobacterium-Plant Cell DNA Transport: Have Virulence Proteins, Will Travel." <i>Plant Cell</i> 8: 1699-1710.
	BI	ZUPAN, J. and ZAMBRYSKI, P. (1997) "The <i>Agrobacterium</i> DNA Transfer Complex." <i>Critical Reviews in Plant Sciences</i> 16(3): 279-295.
Examiner /Li Zheng/		Date Considered 05/08/2006
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 3220/94790	SERIAL No. 10/664,658
	APPLICANT <u>GELVIN, Stanton B.</u>	
	FILING DATE <u>09/18/03</u>	GROUP <u>1638</u>

U.S. PATENT DOCUMENTS							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						

FOREIGN PATENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
LZ	AD	DE 43 09 203 C1	Mar. 22, 1993	Germany			
↓	AE	WO 97/12046	Apr. 03, 1997	Int'l.			
	AF	WO 99/61619	Dec. 02, 1999	Int'l.			
↓	AG	WO 00/17364	Mar. 30, 2000	Int'l.			
	AH	EP 1 033 405 A2	Sep. 06, 2000	Europe			

INTERNATIONAL SEARCH REPORT							
LZ	AM	PCT/US00/25260	Apr. 20, 2001				
	AN						
	AO						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)		
LZ	AP	CITOVSKY, V., <i>et al.</i> (1992) "Nuclear Localization of Agrobacterium VirE2 Protein in Plant Cells." <i>Science</i> 256: 1802-1805.
↓	AQ	HYE HUH, G.H., <i>et al.</i> (1997) "Structural Characteristics of Two Wheat Histone H2A Genes Encoding Distinct Types of Variants and Functional Differences in their Promoter Activity." <i>Plant Molecular Biology</i> 33: 791-802.
	AR	MYSORE, K.S., <i>et al.</i> (1998) "An Arabidopsis histone H2A mutant is deficient in Agrobacterium T-DNA integration." <i>PNAS</i> 97(2): 948-953.
↓	AS	NAKAMURA, Y., <i>et al.</i> (1998) "Structural Analysis of Arabidopsis Thaliana Chromosome." <i>Database EMBL (Online): Accession No: AB016878</i> .
	AT	NAM, J., <i>et al.</i> (1999) "Identification of T-DNA Tagged Arabidopsis Mutants that are Resistant to Transformation by Agrobacterium." <i>Mol Gen Genet</i> 261: 429-438.
↓	AU	PRYMAKOWSKA-BOSAK, M., <i>et al.</i> (1996) "Histone H1 Overexpressed to High Level in Tobacco Affects Certain Developmental Programs but has Limited Effect on Basal Cellular Functions." <i>Proc. Natl. Acad. Sci. USA</i> 93: 10250-10255.
↓	AV	REGENSBURG-TUINK, A.J.G., <i>et al.</i> (1993) "Transgenic N. Glauca Plants Expressing Bacterial Virulence Gene virF are Converted into Hosts for Nopaline Strains of A. Tumefaciens." <i>Nature</i> 363: 69-71.

Examiner /Li Zheng/	Date Considered 05/08/2006
----------------------------	-----------------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO/SB/08A
(REV. 10-96)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

Sheet 4 of 7

Complete if Known

Application Number	10/664,658
Filing Date	09/18/03
First Named Inventor	GELVIN, Stanton B.
Group Art Unit	1638
Examiner Name	not yet assigned
Attorney Docket Number	3220/94790

A OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
LZ	A.1	Bent, Andrew F. and Clough, Steven J. (1998) "Agrobacterium Germ-Line Transformation: Transformation of Arabidopsis without Tissue Culture" <i>Plant Molecular Biology Manual</i> B7:1-14.	
	A.2		q
	A.3		
	A.4		
	A.5		
	A.6		
	A.7		
	A.8		
	A.9		
	A.10		
	A.11		
	A.12		
EXAMINER	/Li Zheng/		DATE CONSIDERED 05/08/2006

*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
Applicant's unique citation designation number (optional)². Applicant is to place a check mark here if English language Translation is attached.
SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

FORM PTO/SB/08A
(REV. 10-96)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

Sheet 5 of 7

Complete if Known

Application Number:	10/664,658
Filing Date:	09/18/03
First Named Inventor:	GELVIN, Stanton B.
Group Art Unit	1638
Examiner Name	not yet assigned
Attorney Docket Number:	3220/94790

A INTERNATIONAL SEARCH REPORT

*Examiner Initials	Cite No. 1	Document Number	Publication Date MM-DD-YYYY		
LZ	A.1	PCT/US00/25260	Apr. 20, 2001		
	A.2				
	A.3				
	A.4				
	A.5				
	A.6				
	A.7				
	A.8				
	A.9				
	A.10				
	A.11				
	A.12				
	A.13				
	A.14				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Country	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Country Code ² -Number ³ -Kind Code ⁴ (if known)				
LZ	A.15	DE 43 09 203 C1	Mar. 22, 1993	Germany		
	A.16	WO 97/12046	Apr. 03, 1997	Int'l.		
	A.17	WO 99/61619	Dec. 02, 1999	Int'l.		
	A.18	WO 00/17364	Mar. 30, 2000	Int'l.		
	A.19	EP 1 033 405 A2	Sep. 06, 2000	Europe		

EXAMINER

/Li Zheng/

DATE CONSIDERED

05/08/2006

*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Send to: Assistant Commissioner for Patents, Washington, D.C. 20231.

LZ	A.16	NAM, J., <i>et al.</i> (1997) "Differences in Susceptibility of <i>Arabidopsis</i> Ecotypes to Crown Gall Disease May Result from a Deficiency in T-DNA Integration." <i>Plant Cell</i> 9:317-333.	
	A.17	NAM, J., <i>et al.</i> (1999) "Identification of T-DNA Tagged <i>Arabidopsis</i> Mutants that are Resistant to Transformation by <i>Agrobacterium</i> ." <i>Mol Gen Genet</i> 261:429-438.	
	A.18	NARASIMHULU, S.B., <i>et al.</i> (1996) "Early Transcription of <i>Agrobacterium</i> T-DNA Genes in Tobacco and Maize." <i>Plant Cell</i> 8:873-886.	
	A.19	NI, M., <i>et al.</i> (1995) "Strength and Tissue Specificity of Chimeric Promoters Derived from the Octopine and Mannopine Synthase Genes." <i>Plant J</i> 7(4):661-676.	
	A.20	OFFRINGA, R., <i>et al.</i> (1990) "Extrachromosomal Homologous Recombination and Gene Targeting in Plant Cells after <i>Agrobacterium</i> Mediated Transformation." <i>EMBO J</i> 9(10):3077-3084.	
	A.21	OHBA, T., <i>et al.</i> (1995) "DNA Rearrangement Associated with the Integration of T-DNA in Tobacco: An Example for Multiple Duplications of DNA Around the Integration Target." <i>Plant J</i> 7(1):157-164.	
	A.22	PASZKOWSKI, J., <i>et al.</i> (1988) "Gene Targeting in Plants." <i>EMBO J</i> 7(13):4021-4026.	
	A.23	PRYMAKOWSKA-BOSAK, M., <i>et al.</i> (1996) "Histone H1 Overexpressed to High Level in Tobacco Affects Certain Developmental Programs but has Limited Effect on Basal Cellular Functions." <i>proc. Natl. Acad. Sci. USA</i> 93:10250-10255.	
	A.24	REGENSBURG-TUINK, A.J.G., <i>et al.</i> (1993) "Transgenic <i>N. glauca</i> Plants Expressing Bacterial Virulence Gene <i>virF</i> are Converted into Hosts for Nopaline Strains of <i>A. tumefaciens</i> ." <i>Nature</i> 363:69-71.	
	A.25	SAMBROOK, M.A., <i>et al.</i> (1982) in <i>Molecular Cloning: A Laboratory Manual</i> , 1 st ed. Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York, pgs. 150-172; 312-328; 365-381; and 383-389.	
	A.26	SHENG, J. and CITOVSKEY, V. (1996) "Agrobacterium-Plant Cell DNA Transport: Have Virulence Proteins, Will Travel." <i>Plant Cell</i> 8:1699-1710.	
↓	A.27	ZUPAN, J. ZAMBRYSKI, P. (1997) "The <i>Agrobacterium</i> DNA Transfer Complex." <i>Critical Reviews in Plant Sciences</i> 16(3):279-295.	

EXAMINER	/Li Zheng/	DATE CONSIDERED	05/08/2006
----------	------------	-----------------	------------

*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231